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JAN 22 2001

**HUMAN GENOME SCIENCES GROUP 1600
LEGAL DEPARTMENT****9410 Key West Avenue
Rockville, MD 20850**

OFFICE

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DATE: January 18, 2002

TOTAL NUMBER OF PAGES: 34

TO: **Examiner Jana Hines**
GAU 1645
United States Patent & Trademark Office

FAX NO.: (703) 308-4242

PHONE NO.: (703) 305-0487

FROM: Mark J. Hyman (Reg. No. 46,789)

RE: Application No. 08/961,083 (Atty. Docket No. PB340P2)

Per your request, enclosed are the last several papers filed in App. No. 08/961,083. What appears to have occurred is that we filed an amendment under 37 CFR 1.312 concurrently with the issue fee on April 27, 2000, but that amendment was (improperly) rejected as filed after payment of the issue fee. In response, we filed a petition to withdraw the case from issue together with a CPA requesting entry of the previous amendment. That petition was granted on December 11, 2000. We have nothing in our file since that date.

Please let me know if you need anything more. Thanks for your assistance

If you experience any difficulty receiving this transmission,
please contact Mark J. Hyman at (240) 314-1224.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Choi et al.

Application Serial No.: 08/961,083

Art Unit: 1641

Filed: October 30, 1997

Examiner: Hines, J.

For: Streptococcus Pneumoniae Antigens
and Vaccines

Attorney Docket No.: PB340P2

FEE TRANSMITTAL SHEETAssistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The fee required to be filed with the accompanying amendment of even date herewith concerning the above-identified application has been estimated to be \$0.00.


The claim amendment fee has been estimated as shown below:

(Col. 1)		(Col. 2)		(Col. 3)		SMALL ENTITY		OTHER THAN A SMALL ENTITY	
Claims Remaining After Amendment			Highest No. Previously Paid For	Present Extra	Rate	Add. Fee	or	Rate	Add. Fee
Total	73	Minus	181	=	-	X9	\$ **	X18	\$00
Indep	13	Minus	13	=	-	X39	\$ **	X78	\$00
First Presentation of Multiple Dep. Claims					+ 135	\$ **	+ 270	\$ **	
Total		\$ **		or		Total		<u>\$0.00</u>	

Please charge the required fee, and any other fee deemed necessary, to Deposit Account No. 08-3425. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date:

April 27, 2000

 Michelle S. Marks
 Attorney for Applicants

(Reg. No. 41,971)

Human Genome Sciences, Inc.
 9410 Key West Avenue
 Rockville, MD 20850
 (301) 610-5771 (phone)

MSM/mbp

Complete and mail this form, together with appropriate fees, to:

the fees, to:

Box ISSUE FEE

Assistant Commissioner for Patents
Washington, D.C. 20231

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Issue Fee receipt, the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) indicating a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

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Certificate of Mailing

I hereby certify that this Issue Fee Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.

FILING DATE

TOTAL CLAIMS

EXAMINER AND GROUP ART UNIT

DATE MAILED

Not Named
ApplicantE OF
ENTION

ATTY'S DOCKET NO.

CLASS-SUBCLASS

BATCH NO.

APPLN. TYPE

SMALL ENTITY

FEE DUE

DATE DUE

Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Use of PTO form(s) and Customer Number are recommended, but not required.

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" indication form PTO/SB/47) attached.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Human Genome Sciences, Inc.

2. _____

3. _____

ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE **Human Genome Sciences, Inc.**

(B) RESIDENCE: (CITY & STATE OR COUNTRY) **Rockville, MD**

Please check the appropriate assignee category indicated below (will not be printed on the patent)

☐ Individual ☒ corporation or other private group entity ☐ government

4a. The following fees are enclosed (make check payable to Commissioner of Patents and Trademarks):

☐ Issue Fee☐ Advance Order - # of Copies _____

4b. The following fees or deficiency in these fees should be charged to:

DEPOSIT ACCOUNT NUMBER **08-3425**

(ENCLOSE AN EXTRA COPY OF THIS FORM)

☒ Issue Fee☒ Advance Order - # of Copies **5**

A COMMISSIONER OF PATENTS AND TRADEMARKS IS requested to apply the Issue Fee to the application identified above.

Authorized Signature (Reg. 41.971) (Date)
Michelle S. Marks Jan 17, 2000

NOTE: The Issue Fee will not be accepted from anyone other than the applicant, a registered attorney agent, or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

Order Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND FEES AND THIS FORM TO: Box Issue Fee, Assistant Commissioner for Patents, Washington D.C. 20231

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HGS PATENT DEPT

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#23E 2/5/02 TBW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Choi et al.

Application Number: 08/961,083

Group Art Unit: 1641

Filed: October 30, 1997

Examiner: Hines, J.

Title: *Streptococcus pneumoniae* Antigens
And Vaccines

Army. Docket No.: PB340P2

AMENDMENT UNDER 37 C.F.R. § 1.312**BOX: AF**Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Notice of Allowance dated 01 February 2000 and in accordance with Rule 312 of the Rules of Practice, please consider the following amendments and remarks. Applicants submit concurrently herewith: (a) a Substitute Sequence Listing in paper and computer readable form; (b) a Statement under 37 C.F.R. §§ 1.821-1.825; (c) an Issue Fee Transmittal, with appropriate fee; and (d) a Fee Transmittal Sheet, with appropriate fee.

Amendments**In the title**

Please delete the current title and replace therefor -- *Streptococcus pneumoniae* SP036 polynucleotides, polypeptides, antigens and vaccines --.

In the specification

Please amend the specification as follows:

Page 1, after the title, please insert --This application claims benefit of 35 U.S.C. section 119(e) based on copending U.S. Provisional Application Serial No. 60/029,960, filed